

BOQ & Technical Specification for Supply & Erection of 11KV,HT, Power line for Manoharpur Station of OPGC-MGR (Tender No.ITPS/Unit 3 & 4/19-20/202 dt.18/1/20)

Sl. No	Description	Unit	Qty	Rate (in Rs)	Amount (in Rs)
1	Detailed alignment survey and tree trimming work for erection of 11 KV Overhead line as per the instruction of Engineer -In-Charge.	KM	1.00		
2	Supply of 300Kg, 9 meter long , PSC intermediate Pole for 11 KV line including the cost of transportation to site	No	15.00		
3	Erection of 09 meter of PSC pole in cement concrete 1:3:6 (1Cement:3 coarse sand:6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. for pin point, cut point,DP structure of 11 KV Line as required.	No	15.00		
4	Supply of 11KV Outdoor VCB with 2Core CT & indoor CR panel & with CT console box (CT-600-300-150/1-1A, STC 25KA/3Sec., class: 0.5 & 5P10) feeder protection.	No	1.00		
5	Supply & Erection of 11KV.1-Phase oil cooled PT(11000V/√3/110V/√3) CLASS 0.5 / 3P, with PT console box	No	3		
6	Supply of 2.5mmsq 10core Control Cable	Mtr	300		
7	Supply of 2.5mmsq 4core Control Cable	Mtr	250		
8	Excavation of Control Cable trench 300mm width and laying of 2.5sq.mm,10core Control Cable	RMT	300		
9	Excavation of Control Cable trench 300mm width and laying of 2.5sq.mm, 4 core Control Cable	Rmt	250		
10	G I Pipe earthing, 40mm Dia medium gauge 4.5mtr long for earthing of MC	No	6.00		
11	Providing and fixing No.6 G.I wire strip on surface or recess for connections from Earth station to required electrical installation	Mtr	45.00		
12	Erection of 11KV Vaccum Circuit Breaker complete set outdoor with Indoor panel	No	1.00		
13	Supply and Erection of Complete HT Stay set including HT Stay Insulator,type-C,HT Stay Clamp(1.9Kg/Pair),7/10 SWG GI Stay wire Grade-2 with required GI Bolts,Nuts and washers and also including earth excavation & Concreting work for providing 11KV,HT Power line	No	8.00		
14	Cupping of Pole including supply of Materials 1Mx0.5Mx0.5M	No	15.00		
15	Sundries(Paint, Danger Boards,Clamp,Connectors & Anti climbing device)	LS	5.00		
16	Cantilever Channel for supporting A/B Switch arm 75x40x6mm-1.5Mtr long-4Nos (6.8Kg/mtr)	No	2.00		
17	Angle for Cantilever arrangement for A/B Switch arm 75x40x6mm,1.5mtr,4 Nos (4.5Kg.mtr)	No	2.00		
18	75x40x6mm Channel,1.5mtr long-2 Nos (6.8Kg/mtr) for supporting of A/B Switch handle	Kg	2.00		
19	Supply and erection of 11KV Disc Insulator T&C type,45KN	No	24.00		
20	Supply and erection of 11 KV disc insulator,90KN for 11 KV overhead line with galvanised insulator fittings, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washer etc. as required.	No	12.00		
21	Supply & Erection of 11KV,400Amps,3Pole,50Hz, AB Switch	Set	1.00		
22	Supply and erection of three piece nonlinear register type lightning arrester suitable for 3 wire, 11 KV overhead lines with rated voltage 9 KV(rms) with a nominal discharge current rating of 5 KV and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required. insulator complete with large steel head G.I. pin, nuts, washers etc. as required.	Set	3.00		
23	Supply of 11KV,50Sq.mm,3 core PVC Shethed,XLPE Cable	Mtr	400.00		
24	Laying of 3 Core, 50Sq.mm PVC Shethed XLPE Cable	Mtr	500.00		
25	Supply and erection 'E'-Hook for providing 50Sq.mm,3 Core Aerial Bunch Cable.	No	30.00		

26	Top Channel 100x50x6mm,2.8mtr length,4Nos,9.2Kg/Mtr and 50 mm X 6 mm flat iron including 16 mm X 50 mm bolts and nuts with washers.	No	2.00		
27	Supply & Erection of Bracing Channel 75x40x6mm(6.8 kg per metre),3mtr length,4Nos, double pole cross arm including drilling holes for insulator pins/ fittings, bolts, nuts and washers etc	No	2.00		
28	Supply&erection of a set of crossbracing frame work for 11KV O/H line double pole structure having four members fabricated out of 50 mm X 50 mm X 6 mm angle iron to form a rectangle of minimum size 1400 mm width X 2500 mm height, complete with 50 mmX6mm M.S.flat iron clamps, bolts and nuts including drilling holes	No	2.00		
29	Supply & Erection of 11KV out door jointing kit for 50Sq.mm,3 core XLPE Cable	No	2.00		
30	Supply and providing of G I Flat 50x5mm for earthing of Meter Cubicle	Kg	60.00		
31	Construction of metering room 12' X 12' X 14' with all materials and electrical wiring (supply Installation of 4 waysub distribution boards, MCB, switch, sockets, wires, CFL Lamps & ceiling fan as required, installation of LT & HT metering unit and termination) with grill mess arrangement as per the requirement of WESCO	Per Sq Ft Plinth area	196.00		
32	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal and salt as required.	No	2.00		
33	Providing and fixing 25 mm X 5 mm G.I strip on surface or recess for connections etc. as required.	Mtr	28.00		
34	Supply & Providing 3phase 4 wire, 3X240V, 100/5A, 0.5 class LTTV meter with 4 nos resin cast CTs with SMC BOX.	No	1.00		
TOTAL VALUE EXCLUDING GST					
GST EXTRA AS APPLICABLE (APPLICABLE % ITEM WISE TO BE INDICATED ALONG WITH SAC CODE)					